

Product datasheet

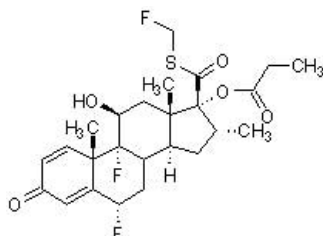
Fluticasone propionate, Glucocorticoid agonist

ab141281

[1 Image](#)

Overview

| | |
|-------------------------------|---|
| Product name | Fluticasone propionate, Glucocorticoid agonist |
| Description | Potent, selective glucocorticoid agonist |
| Biological description | Potent, selective glucocorticoid agonist ($EC_{50} = 3.7 \text{ nM}$). Higher affinity for the glucocorticoid receptor compared to beclomethasone ($K_d = 0.5 \text{ nM}$). Lipophilic anti-inflammatory agent. Biological effects include eosinophil apoptosis, reduction in mast cell production and inhibition of TNF- α induced endothelial cell adhesion. Active <i>in vivo</i> . |
| Purity | > 99% |
| CAS Number | 80474-14-2 |
| Chemical structure | |



Properties

| | |
|-----------------------------|--|
| Chemical name | (6 α ,11 β ,16 α ,17 α)-6,9-Difluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)-androsta-1,4-diene-17-carbothioic acid S-(fluoromethyl) ester |
| Molecular weight | 500.57 |
| Molecular formula | C ₂₅ H ₃₁ F ₃ O ₅ S |
| PubChem identifier | 444036 |
| Storage instructions | Store at Room Temperature. The product can be stored for up to 12 months. |
| Solubility overview | Soluble in DMSO to 100 mM |
| Handling | Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. |

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

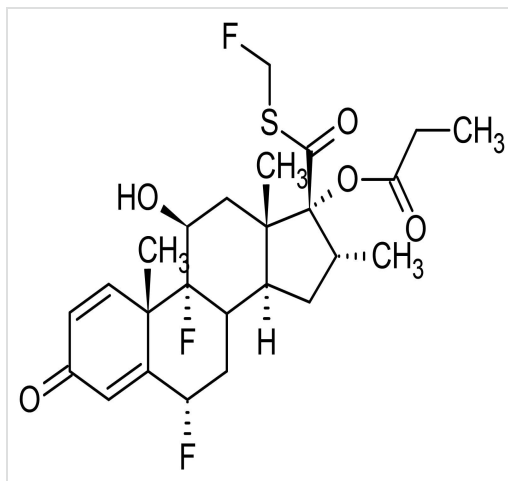
SMILES

O=C(SCF)[C@@]4(OC(=O)CC)[C@H](C)C[C@H]3C2C[C@H](F)C1=CC(=O)C=C[C@]1(C)[C@@]2(F)[C@@H](O)C[C@@]34C

Source

Synthetic

Images



Chemical Structure - Fluticasone propionate,
Glucocorticoid agonist (ab141281)

2D chemical structure image of ab141281, Fluticasone propionate,
Glucocorticoid agonist

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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